

1 (B) AMENDMENTS TO THE SPECIFICATION

2 In the Appendix, please rewrite as follows.

3 At page A-1, line 26, change,

4 (3) E-field induced band gap change via ~~[[molecule]]~~ molecular folding or
5 stretching.

6 Please amend in the paragraph on page 14 with the following change,

7 FIG. 4 is a schematic depiction of one embodiment of this model, which
8 involves an E-field-induced band gap change via molecular conformation
9 change (rotor/stator type of model). As shown in FIG. 4, the molecule 430
10 comprises a rotor portion 432 and a stator portion 434. The rotor portion
11 432 rotates with an applied electric field. In one state, depicted on the left
12 side of the drawing, there is an extended conjugation through the entire
13 molecule, resulting in a relatively smaller band gap and thereby longer
14 wavelength (red-shifted) photo-absorption. In the other state, following
15 rotation of the rotor, depicted on the right side of the drawing, the
16 extended conjugation is ~~[[destroyed]]~~ changed, resulting in a relatively
17 larger band gap and thereby shorter wavelength (blue-shifted)
18 photo-absorption. FIGS. 5a-5c depict an alternate, and preferred,
19 embodiment of this Model 1; these latter Figures are discussed in
20 connection with Examples 1 and 2 of this Model 1 below.